

# Chamika Thennakoon

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**Linkedin** - [linkedin.com/in/chamika-thennakoon](https://www.linkedin.com/in/chamika-thennakoon)    **GitHub** - <https://github.com/chamika-11?tab=repositories>

**Portfolio** - <https://chamika-11.github.io/Portfolio/>

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## ABOUT

Passionate and highly motivated software engineering student with hands-on experience in AI, OCR, and LLM-based applications. Skilled in building intelligent, scalable systems using modern technologies. Eager to contribute to impactful software development teams and deliver real-world solutions.

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## SKILL SUMMARY

- **Languages:** Java, Python, C#, JavaScript, C, C++, HTML, CSS
  - **Frameworks:** React, .NET, Node, Express, Streamlit
  - **Databases:** MySQL, MongoDB, SQL Server
  - **Libraries/Tools:** Langchain, Pytorch, ONNX, OpenCV, Tesseract
  - **Architectures & Infrastructure:** MCP Servers, OOP, CNN, RAG
  - **Development Tools:** VS Code, MS Copilot Studio, Eclipse, IntelliJ IDEA, R Studio, NetBeans, Azure Services
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## PROFESSIONAL EXPERIENCE

### ENADOC

MAR 2025 - PRESENT

#### AI ENGINEERING INTERN

Gaining hands-on experience in AI development, computer vision, and real-world software engineering within a professional environment.

- Co-developed a YOLOv8-based face verification module with webcam auto-capture and face alignment.
- Contributed to the development of a CNN + OCR system to identify empty fields in scanned forms and auto-fill using LLM integration.

### PEOPLE'S BANK

SEP 2022 - SEP 2023

#### BANKING TRAINEE

- Gained experience in organizational operations and financial analysis.
- Developed strong customer-facing and time management skills.
- Supported internal system audits and contributed to a team digitization initiative to improve reporting efficiency.

## EDUCATION

### Sri Lanka Institute of Information Technology (SLIIT)

MAY 2023–Present

BSc (Hons) in Information Technology Specialising in Software Engineering

## CERTIFICATIONS

### Azure Services - In Progress AZ-900

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## PROJECTS

### Medical Health Flow Management System

- Contributed to the development of an AI-powered clinical workflow platform that improves treatment accuracy and streamlines healthcare processes.
- Focused on integrating AI models for patient data analysis and clinical decision support.
- **Technologies Used:** React, Node, Express, MongoDB, Gemini 2.5 flash

### Employee Management System

- Collaborated in a team to design and implement a comprehensive employee management web application using OOP and MVC architecture.
- Developed features for employee data handling, leave management, and role-based access control.
- **Technologies Used:** Java, MySQL, HTML, CSS, JavaScript

### Tea Supply Management System - (On Going)

- Leading the development of a secure digital platform to streamline tea order processing and inventory management.
- Implemented CRUD operations and role-based authentication for suppliers and administrators.
- **Technologies Used:** ASP.NET Core, Angular, SQL Server,

### AI/ML Projects

- Developed an OCR system to extract data from scanned documents and integrated it with a large language model for intelligent query answering.
- Built traditional and agentic Retrieval-Augmented Generation (RAG) chat systems for interactive user conversations with LLMs.
- Currently studying naive and hybrid RAG techniques for enhanced retrieval.
- **Technologies Used:** Python, FastAPI, OpenCV, Tesseract OCR, LangChain

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## REFERENCE

### Shashika Malagamuwa

Head of Sales and Marketing,  
MegaPay (Pvt) Ltd  
Phone: 1825-965-7634

### Dhananjana Rathnayaka

AI Engineer (Supervisor)  
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